

IN THE CLAIMS

Please amend the claims under 37 C.F.R. § 1.121(c) as set forth below:

37. (Previously Presented) A method of cleaning and disinfecting a surface or an item of equipment, comprising the steps of:

providing a cleaning kit comprising:

a first container consisting essentially of a peroxide; and

a second container consisting essentially of an alkaline component; and

applying the peroxide and the alkaline components of the first and second containers to at least one of the surface and the item of equipment to clean and disinfect the surface or item of equipment.

38. (Previously Presented) The method of Claim 37, wherein the alkaline component includes at least one of carbonates , phosphates, silicates , borates and hydroxides.

39. (Previously Presented) The method of Claim 37, wherein the peroxide and the alkaline component are in liquid form.

40. (Previously Presented) The method of Claim 37, wherein said applying step further comprises mixing the peroxide and the alkaline component.

41. (Previously Presented) The method of Claim 37, wherein said applying step further comprises at least one of foaming the cleaning composition on the surface and foaming the cleaning composition onto or into the item of equipment.

42. (Previously Presented) The method of Claim 37, wherein the cleaning kit is formulated to be low foaming during said applying step.

43. (Previously Presented) The method of Claim 37, wherein the cleaning kit is formulated to be moderately foaming during said applying step.

44. (Previously Presented) The method of Claim 37, wherein the cleaning kit is formulated to be high foaming during said applying step.

45. (Previously Presented) The method of Claim 37, wherein the peroxide is at a concentration of between approximately 0.1 to 70% by weight.

46. (Previously Presented) The method of Claim 37, wherein the peroxide has a pH of between approximately 4.5 to 7.

47. (Previously Presented) The method of Claim 37, wherein at least one of the first and second containers further includes a chemical additive selected from the group consisting of chelants, coupling agents, dyes, and surfactants.

48. (Previously Presented) The method of Claim 37, wherein at least one of the

first and second containers further includes an oxygen-stable surfactant.

49. (Previously Presented) The method of Claim 48, wherein the oxygen-stable surfactant is an amine oxide.

50. (Previously Presented) The method of Claim 48, wherein the oxygen-stable surfactant is an anionic surfactant comprising at least one of a sulfate and a sulfonate of oils and fatty acids.

51. (Previously Presented) The method of Claim 48, wherein the oxygen-stable surfactant is a non-ionic ethoxylated alcohol.

52. (Previously Presented) The method of Claim 48, wherein the oxygen-stable surfactant is at least one of a diphenyl sulfonate and a diphenyl sulfonate derivative.

53. (Previously Presented) The method of Claim 37, wherein the alkaline component is at a concentration of between approximately 0.1 to 50% by weight.

54. (Previously Presented) The method of Claim 37, wherein the alkaline component is at a concentration of between approximately 5 to 15% by weight.

55. (Previously Presented) The method of Claim 37, wherein the alkaline component has a pH of between approximately 10 to 13.

56. (Previously Presented) The method of Claim 37, wherein at least one of the first and second containers includes a surfactant, said surfactant comprising at least one part amine oxide to between 5 and 99 parts hydrogen peroxide on an active weight basis.

57. (Previously Presented) A method of cleaning and disinfecting a surface or an item of equipment, comprising the steps of,

providing a cleaning composition in dry form, the cleaning composition consisting essentially of a peroxide and an alkaline component; and
applying the cleaning composition in dry form to at least one of the surface and the item of equipment to clean and disinfect the surface or item of equipment.

58. (Previously Presented) The method of Claim 57, wherein the alkaline component includes at least one of carbonates, phosphates, silicates, borates and hydroxides.

59. (Previously Presented) The method of Claim 57, wherein said providing step further comprises providing the peroxide and the alkaline component in first and second containers, respectively, and said applying step further comprises mixing the peroxide and the alkaline component.

60. (Previously Presented) The method of Claim 57, wherein said providing step

further comprises providing the peroxide and the alkaline component in a single container.

61. (Previously Presented) The method of Claim 57, wherein the peroxide has a pH of between approximately 7 to 14.

62. (Previously Presented) The method of Claim 57, wherein the cleaning composition includes a chemical additive selected from the group consisting of chelants, coupling agents, dyes, and surfactants.

63. (Previously Presented) The method of Claim 57, wherein the cleaning composition further includes an oxygen-stable surfactant.

64. (Previously Presented) The method of Claim 63, wherein the oxygen-stable surfactant is an amine oxide.

65. (Previously Presented) The method of Claim 63, wherein the oxygen -stable surfactant is an anionic surfactant comprising at least one of a sulfate and a sulfonate of oils and fatty acids.

66. (Previously Presented) The method of Claim 63, wherein the oxygen-stable surfactant is a non-ionic ethoxylated alcohol.

67. (Previously Presented) The method of Claim 63, wherein the oxygen -stable surfactant is at least one of a diphenyl sulfonate and a diphenyl sulfonate derivative.

68. (Previously Presented) The method of Claim 57, wherein the alkaline component is at a concentration of between approximately 0.1 to 50% by weight.

69. (Previously Presented) The method of Claim 57, wherein the alkaline component has a pH of between approximately 10 to 13.

70. (Previously Presented) The method of Claim 57, wherein the cleaning composition includes a surfactant, said surfactant comprising at least one part amine oxide to between 5 and 99 parts hydrogen peroxide on an active weight basis.

71. (Previously Presented) A method of cleaning and disinfecting a surface or an item of equipment, comprising the steps of:

providing a cleaning composition in dry form , the cleaning composition consisting essentially of a peroxide; and

applying the cleaning composition in dry form to at least one of the surface and the item of equipment to clean and disinfect the surface or item of equipment.

72. (Previously Presented) The method of Claim 71, wherein the cleaning composition has a pH of between approximately 7 to 14.

73. (Previously Presented) The method of Claim 71, wherein the cleaning composition includes a chemical additive selected from the group consisting of chelants,

coupling agents, dyes, and surfactants.

74. (Previously Presented) The method of Claim 71, wherein the cleaning composition further includes an oxygen-stable surfactant.

75. (Previously Presented) The method of Claim 74, wherein the oxygen- stable surfactant is an amine oxide.

76. (Previously Presented) The method of Claim 74, wherein the oxygen- stable surfactant is an anionic surfactant comprising at least one of a sulfate and a sulfonate of oils and fatty acids.

77. (Previously Presented) The method of Claim 74, wherein the oxygen-stable surfactant is a non-ionic ethoxylated alcohol.

78. (Previously Presented) The method of Claim 74, wherein the oxygen-stable surfactant is at least one of a diphenyl sulfonate and a diphenyl sulfonate derivative.

79. (Previously Presented) The method of Claim 71, wherein the cleaning composition includes a surfactant, said surfactant comprising at least one part amine oxide to between 5 and 99 parts hydrogen peroxide on an active weight basis.

80. (Previously Presented) The method of Claim 37, wherein at least one of said first and second containers is a 55 gallon drum.

81. (New) A food processing environment equipment and surface cleaner that reduces microbial populations comprising:

a hydrogen peroxide; and

an alkaline reactant selectively combinable with the hydrogen peroxide,

wherein the alkaline reactant is configured to raise the pH of the cleaner into the alkaline range when the alkaline reactant and hydrogen peroxide are combined together; and

wherein the cleaner is configured to reduce microbial populations on equipment and surfaces in the food processing environment without substantial corrosive effects.

82. (New) A method of cleaning and disinfecting a surface or an item of equipment, comprising the steps of:

providing a cleaning kit comprising:

a first container consisting of a peroxide; and

a second container consisting of an alkaline component; and

applying the peroxide and the alkaline components of the first and second containers to at least one of the surface and the item of equipment to clean and disinfect the surface or item of equipment.

83. (New) A food processing environment equipment and surface cleaner that reduces microbial populations consisting of:

a hydrogen peroxide; and

an alkaline reactant selectively combinable with the hydrogen peroxide,

wherein the alkaline reactant is configured to raise the pH of the cleaner into the alkaline range when the alkaline reactant and hydrogen peroxide are combined together; and

wherein the cleaner is configured to reduce microbial populations on equipment and surfaces in the food processing environment without substantial corrosive effects.

84. (New) A food processing environment equipment and surface cleaner that reduces microbial populations comprising:

a first container consisting of a peroxide; and

a second container consisting of an alkaline reactant selectively combinable with the peroxide; and

wherein the alkaline reactant is configured to raise the pH of the cleaner into the alkaline range when the alkaline reactant and peroxide are combined together; and

wherein the cleaner consisting of the peroxide and alkaline reactant is configured

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to reduce microbial populations on equipment and surfaces in the food processing environment without substantial corrosive effects from any constituents in the cleaner.